Layer (type) ========	Output Shape	Param #	=========	========	=====		
input_1 (InputLayer)	(None, 1)	0					
lambda_1 (Lambda)	(None, 512)	0					
dense_1 (Dense)	(None, 128)	65664					
dropout_1 (Dropout)	(None, 128)	0					
dense_2 (Dense)	(None, 1)	129					
======================================		=======	========	=======	=====		
Non-trainable params: (
Train on 300000 sample	s, validate on 50000	samples					
Epoch 1/50 300000/300000 [====	========		===] - 520s 2ms/s	tep - loss: 0.32	71 - acc: 0.8571 -	· val_loss: 0.311	15 - val_acc: 0.8663
Epoch 2/50 300000/300000 [====	=========		===1 - 526s 2ms/s	ten - loss: 0.29	43 - acc: 0.8742 -	· val. loss: 0.282	91 - val. acc: 0.8811
Epoch 3/50			• ,	•		_	_
300000/300000 [==== Epoch 4/50	========	=======	===] - 525s 2ms/s	tep - loss: 0.27	69 - acc: 0.8825 ·	· val_loss: 0.266	ئ - val_acc: 0.8881
300000/300000 [====	========		===] - 522s 2ms/s	tep - loss: 0.26	21 - acc: 0.8904 -	val_loss: 0.255	64 - val_acc: 0.8953
Epoch 5/50 300000/300000 [====	========		===] - 539s 2ms/s	tep - loss: 0.24	89 - acc: 0.8965 -	· val_loss: 0.242	22 - val_acc: 0.9008
Epoch 6/50 300000/300000 [====			1 - 524c 2mc/c	tan - loss: 0 23	72 - acc: 0.9024 .	. val loss: 0.22	57 - val acc: 0.9081
Epoch 7/50			-	·		_	_
300000/300000 [==== Epoch 8/50	========		===] - 523s 2ms/s	tep - loss: 0.22	60 - acc: 0.9076 ·	· val_loss: 0.216	4 - val_acc: 0.9130
300000/300000 [====	========		===] - 523s 2ms/s	tep - loss: 0.21	45 - acc: 0.9126 ·	val_loss: 0.203	36 - val_acc: 0.9194
Epoch 9/50 300000/300000 [====	========		===] - 523s 2ms/s	tep - loss: 0.20	52 - acc: 0.9170 -	· val_loss: 0.191	11 - val_acc: 0.9261
Epoch 10/50 300000/300000 [====			1 - 526c 2mc/c	tan - locc: 0 10	72 - acc: 0.9211 .	val loss: 0.183)3 - val acc: 0.9291
Epoch 11/50			-	·		_	_
300000/300000 [==== Epoch 12/50	========		===] - 526s 2ms/s	tep - loss: 0.18	81 - acc: 0.9245 ·	· val_loss: 0.175	i5 - val_acc: 0.9315
300000/300000 [====	========		===] - 526s 2ms/s	tep - loss: 0.17	99 - acc: 0.9286 ·	val_loss: 0.164	ł2 - val_acc: 0.9384
Epoch 13/50 300000/300000 [====	========		===] - 522s 2ms/s	tep - loss: 0.17	23 - acc: 0.9314 -	· val_loss: 0.152	28 - val_acc: 0.9436
Epoch 14/50 300000/300000 [====			===1 - 526s 2ms/s	ten - loss: 0 16	48 - acc [.] 0 9348 :	val loss 0.14	52 - val. acc: 0.9468
Epoch 15/50			-	·		_	_
300000/300000 [==== Epoch 16/50	=======	=======	===] - 522s 2ms/s	tep - loss: 0.16	00 - acc: 0.9365 ·	· val_loss: 0.139	15 - val_acc: 0.9487
300000/300000 [====	========		===] - 525s 2ms/s	tep - loss: 0.15	29 - acc: 0.9401 ·	val_loss: 0.129)5 - val_acc: 0.9525
Epoch 17/50 300000/300000 [====	========		===] - 523s 2ms/s	tep - loss: 0.14	85 - acc: 0.9416 ·	· val_loss: 0.131	15 - val_acc: 0.9529
Epoch 18/50 300000/300000 [====			1 - 525c 2mc/c	tan - loss: 0 14	00 - acc: 0 0448 .	val loss 0 110)2 - val acc: 0.9576
Epoch 19/50			• ,			_	_
300000/300000 [==== Epoch 20/50	=======		===] - 525s 2ms/s	tep - loss: 0.13	68 - acc: 0.9463 ·	· val_loss: 0.114	+3 - val_acc: 0.9614
300000/300000 [====	========		===] - 525s 2ms/s	tep - loss: 0.13	24 - acc: 0.9479 -	val_loss: 0.108	36 - val_acc: 0.9637
Epoch 21/50 300000/300000 [====	========		===] - 522s 2ms/s	tep - loss: 0.12	78 - acc: 0.9499 -	· val_loss: 0.103	34 - val_acc: 0.9642
Epoch 22/50 300000/300000 [====	======	=====	===1 - 526c 2mc/c	ten - loss: 0 12	35 - acc: 0.0517.	val loss n noo	15 - val acc: 0.0670
Epoch 23/50			-	·		_	_
300000/300000 [==== Epoch 24/50	========		===] - 526s 2ms/s	tep - loss: 0.11	97 - acc: 0.9533 ·	· val_loss: 0.096	6 - val_acc: 0.9674
50/300000 [-		•			• . ,	
packages\keras\callback % delta_t_median)	s.py:122: UserWarn	ing: Method on_b	oatcn_end() is slow	compared to the	e patch update (0	.328340). Chec	c your calibacks.
100/300000 [-						
packages\keras\callback % delta_t_median)	.s.py:122: Userwarn	ing: Method on_b	atch_end() is slow	Lompared to the	e paten update (0	.1041/U). CNEC	c your calidacks.

\$255 2m/step - loss: 0.1119 - acc: 0.9566 - val_loss: 0.0875 - val_acc: 0.9710		
Sport Spor		
S275 2ms/step - loss: 0.1035 - acc: 0.9597 - val_loss: 0.0755 - val_acc: 0.9791		
Epoch 29/50		
\$255 2ms/step - loss: 0.1014 - acc: 0.9610 - val_loss: 0.0732 - val_acc: 0.9769	300000/300000 [================================	
Epoch 3/50		
300000/300000 ===============================		
Epoch 31/50		
Epoch 3/250 300000/300000 ===============================		
300000/300000 ===============================		
Epoch 33/50 33/50 30/500000 E===============================		
300000/300000 ===============================		
Sol Sol		
packages\kenas\callbacks.py:122: User\Warning: Method on_batch_end() is slow compared to the batch update (0.375208). Check your callbacks. % delta_t_median) 100/300000 [Epoch 34/50	
% delta_t_median) 100/300000 [50/300000 [] - ETA: 7:47 - loss: 0.0727 - acc: 0.9400C:\Users\shaggyday\AppData\Local\Programs\Python\Python37\lib\site-	
100/300000 [packages\keras\callbacks.py:122: UserWarning: Method on_batch_end() is slow compared to the batch update (0.375208). Check your callbacks.	
packages keras callbacks.py:122: UserWarning: Method on_batch_end() is slow compared to the batch update (0.187604). Check your callbacks. % delta_t_median) 300000/3000000 [===============================		
% delta_t_median) 300000/300000 [=============] - 523s 2ms/step - loss: 0.0900 - acc: 0.9656 - val_loss: 0.0632 - val_acc: 0.9793 Epoch 35/50 300000/300000 [=============] - 523s 2ms/step - loss: 0.0882 - acc: 0.9659 - val_loss: 0.0573 - val_acc: 0.9829 Epoch 36/50 30000/300000 [=============] - 523s 2ms/step - loss: 0.0860 - acc: 0.9668 - val_loss: 0.0577 - val_acc: 0.9821 Epoch 37/50 300000/300000 [==============] - 524s 2ms/step - loss: 0.0847 - acc: 0.9668 - val_loss: 0.0542 - val_acc: 0.9848 Epoch 38/50 300000/300000 [==============] - 519s 2ms/step - loss: 0.0831 - acc: 0.9678 - val_loss: 0.0499 - val_acc: 0.9845 Epoch 39/50 300000/300000 [==============] - 522s 2ms/step - loss: 0.0806 - acc: 0.9678 - val_loss: 0.0499 - val_acc: 0.9845 Epoch 39/50 300000/300000 [==============] - 526s 2ms/step - loss: 0.0806 - acc: 0.9690 - val_loss: 0.0506 - val_acc: 0.9846 Epoch 40/50 300000/300000 [==============] - 526s 2ms/step - loss: 0.0802 - acc: 0.9690 - val_loss: 0.0528 - val_acc: 0.9833 Epoch 41/50 300000/300000 [===============] - 501s 2ms/step - loss: 0.0779 - acc: 0.9701 - val_loss: 0.0459 - val_acc: 0.9872 Epoch 42/50 300000/300000 [==================] - 514s 2ms/step - loss: 0.0772 - acc: 0.9702 - val_loss: 0.0452 - val_acc: 0.9859 Epoch 44/50 300000/300000 [=====================] - 521s 2ms/step - loss: 0.0778 - acc: 0.9702 - val_loss: 0.0445 - val_acc: 0.9859 Epoch 44/50 300000/300000 [================================		
300000/300000 [================================		
Epoch 35/50 300000/3000000 [==============] - 525s 2ms/step - loss: 0.0882 - acc: 0.9659 - val_loss: 0.0573 - val_acc: 0.9829 Epoch 36/50 300000/300000 [=============] - 525s 2ms/step - loss: 0.0860 - acc: 0.9668 - val_loss: 0.0577 - val_acc: 0.9821 Epoch 37/50 300000/300000 [==============] - 524s 2ms/step - loss: 0.0847 - acc: 0.9668 - val_loss: 0.0542 - val_acc: 0.9841 Epoch 38/50 300000/300000 [=============] - 519s 2ms/step - loss: 0.0831 - acc: 0.9678 - val_loss: 0.0499 - val_acc: 0.9845 Epoch 38/50 300000/300000 [==============] - 522s 2ms/step - loss: 0.0806 - acc: 0.9678 - val_loss: 0.0542 - val_acc: 0.9845 Epoch 39/50 300000/300000 [===============] - 525s 2ms/step - loss: 0.0806 - acc: 0.9690 - val_loss: 0.0506 - val_acc: 0.9846 Epoch 40/50 300000/300000 [=================] - 526s 2ms/step - loss: 0.0802 - acc: 0.9690 - val_loss: 0.0528 - val_acc: 0.9833 Epoch 41/50 300000/300000 [====================] - 523s 2ms/step - loss: 0.0779 - acc: 0.9701 - val_loss: 0.0459 - val_acc: 0.9873 Epoch 42/50 300000/300000 [========================] - 514s 2ms/step - loss: 0.0772 - acc: 0.9702 - val_loss: 0.0452 - val_acc: 0.9872 Epoch 43/50 300000/300000 [================================		
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Epoch 36/50 300000/300000 [================================		
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Epoch 39/50 300000/300000 [================================		
300000/300000 [============] - 522s 2ms/step - loss: 0.0806 - acc: 0.9690 - val_loss: 0.0506 - val_acc: 0.9846 Epoch 40/50 300000/300000 [=============] - 526s 2ms/step - loss: 0.0802 - acc: 0.9690 - val_loss: 0.0528 - val_acc: 0.9833 Epoch 41/50 30000/300000 [===============] - 526s 2ms/step - loss: 0.0779 - acc: 0.9701 - val_loss: 0.0459 - val_acc: 0.9873 Epoch 42/50 300000/300000 [===============] - 501s 2ms/step - loss: 0.0772 - acc: 0.9702 - val_loss: 0.0452 - val_acc: 0.9872 Epoch 43/50 300000/300000 [================] - 514s 2ms/step - loss: 0.0758 - acc: 0.9708 - val_loss: 0.0445 - val_acc: 0.9859 Epoch 44/50 300000/300000 [=================] - 525s 2ms/step - loss: 0.0733 - acc: 0.9720 - val_loss: 0.0413 - val_acc: 0.9861 Epoch 45/50 300000/300000 [================================		
Epoch 40/50 300000/300000 [================================		
300000/300000 [================================		
Epoch 41/50 30000/300000 [================================		
30000/300000 [================================		
300000/300000 [==============] - 501s 2ms/step - loss: 0.0772 - acc: 0.9702 - val_loss: 0.0452 - val_acc: 0.9872 Epoch 43/50 300000/300000 [============] - 514s 2ms/step - loss: 0.0758 - acc: 0.9708 - val_loss: 0.0445 - val_acc: 0.9859 Epoch 44/50 300000/300000 [=============] - 525s 2ms/step - loss: 0.0733 - acc: 0.9720 - val_loss: 0.0413 - val_acc: 0.9881 Epoch 45/50 300000/300000 [=============] - 521s 2ms/step - loss: 0.0728 - acc: 0.9719 - val_loss: 0.0430 - val_acc: 0.9863 Epoch 46/50 300000/300000 [==============] - 503s 2ms/step - loss: 0.0713 - acc: 0.9727 - val_loss: 0.0415 - val_acc: 0.9879 Epoch 47/50 300000/300000 [=====================] - 527s 2ms/step - loss: 0.0709 - acc: 0.9729 - val_loss: 0.0385 - val_acc: 0.9889 Epoch 48/50 300000/300000 [================================		
Epoch 43/50 30000/300000 [================================	Epoch 42/50	
300000/300000 [================================	300000/300000 [================================	
Epoch 44/50 30000/300000 [================================		
300000/300000 [=============] - 525s 2ms/step - loss: 0.0733 - acc: 0.9720 - val_loss: 0.0413 - val_acc: 0.9881 Epoch 45/50 300000/300000 [============] - 521s 2ms/step - loss: 0.0728 - acc: 0.9719 - val_loss: 0.0430 - val_acc: 0.9863 Epoch 46/50 300000/300000 [=============] - 503s 2ms/step - loss: 0.0713 - acc: 0.9727 - val_loss: 0.0415 - val_acc: 0.9879 Epoch 47/50 300000/300000 [================] - 527s 2ms/step - loss: 0.0709 - acc: 0.9729 - val_loss: 0.0385 - val_acc: 0.9889 Epoch 48/50 300000/300000 [================================		
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Epoch 46/50 300000/300000 [================================		
300000/300000 [=============] - 503s 2ms/step - loss: 0.0713 - acc: 0.9727 - val_loss: 0.0415 - val_acc: 0.9879 Epoch 47/50 300000/300000 [============] - 527s 2ms/step - loss: 0.0709 - acc: 0.9729 - val_loss: 0.0385 - val_acc: 0.9889 Epoch 48/50 30000/300000 [=================] - 522s 2ms/step - loss: 0.0692 - acc: 0.9734 - val_loss: 0.0387 - val_acc: 0.9883 Epoch 49/50 30000/300000 [================================		
Epoch 47/50 30000/300000 [================================		
300000/300000 [============] - 527s 2ms/step - loss: 0.0709 - acc: 0.9729 - val_loss: 0.0385 - val_acc: 0.9889 Epoch 48/50 300000/300000 [============] - 522s 2ms/step - loss: 0.0692 - acc: 0.9734 - val_loss: 0.0387 - val_acc: 0.9883 Epoch 49/50 300000/300000 [=================] - 526s 2ms/step - loss: 0.0693 - acc: 0.9731 - val_loss: 0.0389 - val_acc: 0.9887 Epoch 50/50 300000/300000 [================================		
300000/300000 [================================	300000/300000 [================================	
Epoch 49/50 300000/300000 [================================		
300000/300000 [================================		
Epoch 50/50 300000/300000 [================================		
300000/300000 [================================		
150000/150000 [
	250000/150000 [

Test score: 0.035414329072336354 Test accuracy: 0.98931333333333334

